TA6

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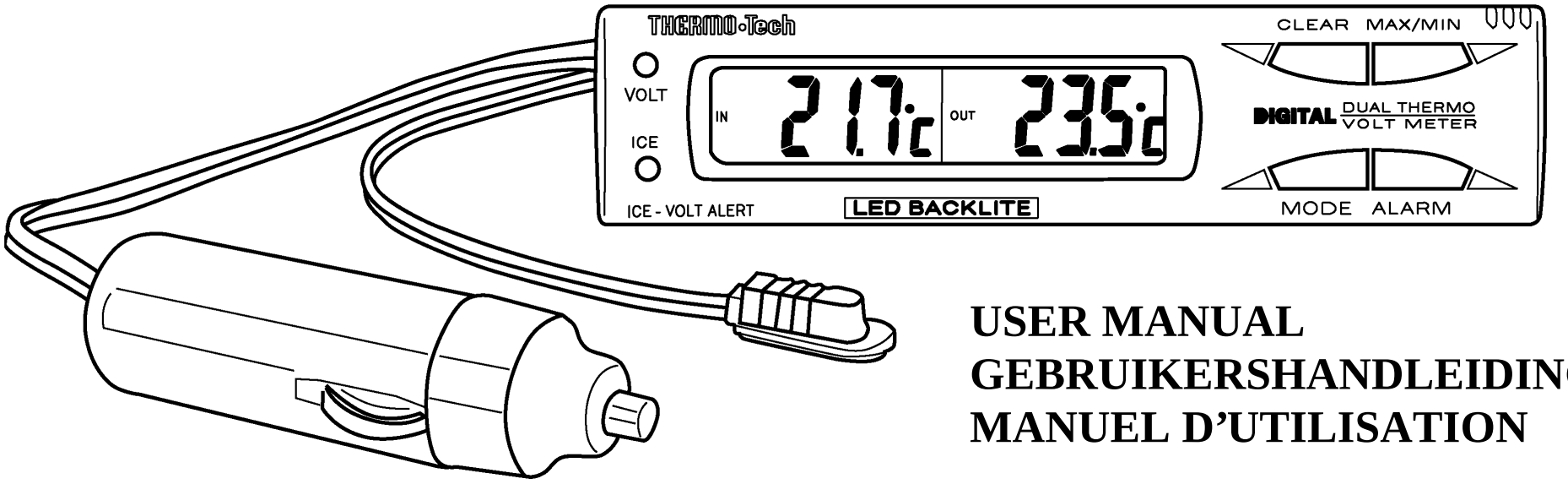
*DIGITAL IN/OUT THERMOMETER WITH DIGITAL BATTERY TESTER
*DIGITALE BINNEN-/BUITENTHERMOMETER MET DIGITALE BATTERIJTESTER
*THERMOMETRE DIGITAL INT/EXT AVEC TESTEUR DE BATTERIE DIGITAL



USER MANUAL
GEBRUIKERSHANDLEIDING
MANUEL D'UTILISATION

DIGITAL • IN/OUT THERMO • BATTERY ANALYSER

INTRODUCTION :

Thank you for your trust in the new generation of digital in-/outdoor thermometers with digital voltmeter and battery analyser. This 2-in-1 thermo-/voltmeter provides instant read-outs of room temperature, outside temperature and car battery levels. The user also has an electronic car battery analyser at his disposal that is equipped with a voltage drop alarm. We advise the user to keep this manual in his car once he has read it.

BATTERY REPLACEMENT :

Remove the battery cover at the back of the unit, insert a 1.5V 'AAA'-size battery and close the cover. Please respect the polarity indications ('+' & '-'). The initial reading will show the room temperature and the symbol '-V'. This symbol indicates that the cigarette plug is not powered.

INSTALLATION :

Do not expose the **TA6** to direct sunlight or the blast from your air conditioner. Use the double-sided tape (supplied) to attach the unit to the interior of your car. Release and extend the cable for the outside temperature sensor. Select a location that is shielded from direct sunlight and water and avoid exposure to engine heat (e.g. do not position the unit near a door hinge). Remove the paper on the self-adhesive tape and affix the unit to a surface of your choosing in order to measure the outside temperature. Insert the cigarette plug into the socket and turn the ignition key to power it. The digital voltmeter will display the voltage level of your car battery. The green LED indicator should light up if the battery level is normal.

BACK LIGHT :

The green LED back light should stay lit as long as the cigarette plug is powered.

PUSH BUTTON :

MODE : Press to display (1) in temp/voltage, (2) out temp/voltage or (3) in temp/out temp.

ALARM : Press to stop the frost alarm/voltage alarm or to arm / disarm the frost alarm

MAX/MIN : Press once to display the highest recorded temperature, push again to display the lowest recorded temperature. The display will resume normal temperature reading after 3 seconds.

CLEAR : Press to clear the temperature memory while either the highest or lowest recorded temperature is being displayed.

Note : To select °C/°F, use a pin to operate the push-button switch located at the top of the unit.

FROST ALARM & VOLTAGE WATCHDOG :

Frost Alarm : press the 'ALARM' key to put the frost alarm on-/off-line. When the outside temperature is below zero, the red LED indicator will flash and the buzzer will beep to warn you of the dangerous driving conditions. Press the 'ALARM' key to stop the frost alarm. The red LED, however, will continue to flash until the outside temperature is no longer below zero. Press the 'ALARM' key again to deactivate the frost alarm and extinguish the red LED. **IMPORTANT !** : the 'ALARM' key ONLY functions if the cigarette plug is powered. The 'ALARM' icon will appear on the outside temperature display if the frost alarm is armed. The 'ALARM' icon will disappear and the red frost alarm LED and the buzzer do not work if the cigarette plug is not powered.

Voltage Watchdog : when the cigarette plug is powered, the green LED indicator will be lit constantly if the voltage level is normal. If the voltage level is abnormally low or high, the green LED will flash and the buzzer will beep, urging you to check the car battery and the electrical system immediately. Press the 'ALARM' button to stop the beeping of the voltage alarm. Read the "Battery Analyser" section below for more detailed information.

BATTERY ANALYSER :

Press the 'MODE' key to select the voltage display. The battery analyser icon will appear in the upper left corner of the voltage display. The various battery conditions are indicated as follows :

BATTERY ICON	BATTERY CONDITION (engine stopped)	CHARGING CONDITION (engine running)	VOLTAGE READOUT	GREEN LED	VOLT ALARM
No Icon	Discharged	no charge	below 9V show '-V'	off	off
	Poor	no charge	below 11.6V	flash	beep
	Normal	low charge	12.0V ~ 12.4V	on	no beep
	Good	low charge	12.5V ~ 12.9V	on	no beep
	Excellent	normal charge	13.0V above	on	no beep
	Over charge	overcharge	16.0V above	flash	beep

TO TEST THE CHARGING SYSTEM :

Start the engine and read the voltage after the engine is warmed up. The normal charging voltage should range from 13.6V to 14.6V. When the voltage level is abnormally high : check the engine's idling speed, the alternator belt, the regulator, etc. Have the electrical system of your car checked as soon as possible.

TO TEST CAR BATTERY :

Turn on your headlights for 15-30 seconds while the engine is off in order to load your battery. Check the battery icon / voltage level and compare with the table above. If the voltage level is abnormally low (below 12V) and the voltage alarm is activated : check the electrolytic level of the battery (replenish if necessary) , test (and repair) the battery terminals and/or the charging system or replace the battery (if affected by wear and tear).